

Comparisons of Job Characteristics

Focus Occupation: Prepress Technicians and Workers (51-5022)

Associated Occupation: Printing Machine Operators (51-5023)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 48

Focus Occupation: Prepress Technicians and Workers (51-5022)

Associated Occupation: Printing Machine Operators (51-5023)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	11.3	6.0	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.0	6.7	<<	Extensive education and/or training may be required
Chemistry	4.8	6.2	3.5	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: Prepress Technicians and Workers (51-5022)

Associated Occupation: Printing Machine Operators (51-5023)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	11.1	8.3	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	10.6	6.1	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	10.3	5.8	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	7.9	5.0	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	7.7	5.9	<	A higher skill level may be required
Repairing	3.4	6.2	5.2	<	A higher skill level may be required
Equipment Selection	3.3	5.8	4.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 78			
Focus Occupation: Prepress Technicians and Workers (51-5022) Associated Occupation: Printing Machine Operators (51-5023)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	10.8	6.4	<<	Extensive improvement in abilities may be required
Visual Color Discrimination	6.4	10.5	7.5	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	10.3	1.6	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	10.0	4.4	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	9.2	4.3	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	8.8	5.6	<<	Extensive improvement in abilities may be required
Rate Control	3.8	8.1	4.2	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	7.2	2.7	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	5.6	1.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 98
Focus Occupation: Prepress Technicians and Workers (51-5022) Associated Occupation: Printing Machine Operators (51-5023)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Assure quality control in printing processes	92	
Clean equipment or machinery	20	
Determine film exposure settings	89	
Determine specifications	67	
Develop film or other photographic medium	87	
Distinguish colors	44	
Examine products or work to verify conformance to specifications	15	
Fabricate printing plates	99	
Identify color or balance	69	

Install equipment or attachments on machinery or related structures	48
Load or unload material or workpiece into machinery	34
Maintain consistent production quality	50
Maintain or repair industrial or related equipment/machinery	39
Maintain production or work records	19
Measure, weigh, or count products or materials	17
Mix paint, ingredients, or chemicals, according to specifications	35
Monitor production machinery/equipment operation to detect problems	27
Operate cameras	74
Operate graphic reproduction equipment	85
Operate printing equipment/machinery	84
Operate scanner	81
Perform safety inspections in manufacturing or industrial setting	33
Process photographic prints	85
Read production layouts	66
Read specifications	23
Read work order, instructions, formulas, or processing charts	9
Set page layout or composition	82
Set up production equipment or machinery	51
Strip negatives	99
Understand technical operating, service or repair manuals	6
Use color analyzer	95
Use densitometer	95
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Prepress Technicians and Workers (51-5022)

Associated Occupation: Printing Machine Operators (51-5023)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.